DRILL NIC METHOD (6) DRILL DIT (6) SIZE	glas Aircraft 002.00 TOTAL DEPTH 51.5 feet DATE COMPLETED 2/27/97 NG REMARKS ely plastic
DRILLING COMPANY Water Development DRILLING METHOD (S) CME-95, Hollow Stem Auger DEPTH TO WATER Not Encountered LOGGED BY D. Schneeberger DATE STARTED Lithology Lithology D. Soll DESCRIPTION AND DRILLING Color SAMPLE SOIL DESCRIPTION AND DRILLING Color Soilty CLAY: reddish brown, increasing silt, trace of sand 10 10 10 10 10 10 10 10 10 10 10 11 10 11 10 11 10 11 10 11 11	TOTAL DEPTH 51.5 feet DATE COMPLETED 2/27/97 NG REMARKS ely plastic
DRILLING METHOD (S) CME-95, Hollow Stem Auger DEPTH TO WATER Not Encountered LOGGED BY D. Schneeberger SAMPLES SOIL DESCRIPTION AND DRILLING Asphalt, 6" Silty CLAY: reddish black, medium stiff, damp, moderate 2.5YR 4/4 reddish brown 10 10 10 10 11 2.5YR 3/4 Sandy CLAY: reddish brown, increasing silt, trace of sand 10 11 11 10 11 11	TOTAL DEPTH 51.5 feet DATE COMPLETED 2/27/97 NG REMARKS ely plastic
DEPTH TO WATER Not Encountered LOGGED BY D. Schneeberger SAMPLES SAMPLES SOIL DESCRIPTION AND DRILLIN Asphalt, 6" Silty CLAY: reddish black, medium stiff, damp, moderate 10 2.5YR 3/4 dark reddish brown, increasing silt, trace of sand	TOTAL DEPTH 51.5 feet DATE COMPLETED 2/27/97 NG REMARKS ely plastic
DATE STARTED 2/27/97 SAMPLES SAMPLES SOIL DESCRIPTION AND DRILLIN Color SOIL DESCRIPTION AND DRILLIN Solity CLAY: reddish black, medium stiff, damp, moderate 2.5YR 4/4 reddish brown 18 10 2.5YR 3/4 Sandy CLAY: reddish brown, increasing silt, trace of sand	DATE COMPLETED 2/27/97 NG REMARKS ely plastic
SAMPLES Solid Description And Description a	NG REMARKS ely plastic
Silty CLAY: reddish black, medium stiff, damp, moderate to the state of sand to the state of	ely plastic
8 10 12 0.6 2.5YR N2.5/1 Silty CLAY: reddish black, medium stiff, damp, moderate 2.5YR 10 18 1.2 10 CL 2.5YR 4/4 Sandy CLAY: reddish brown, increasing silt, trace of sand	
2.5YR 4/4 reddish brown ark reddish brown, increasing silt, trace of sand 10 10 11 11	- - - - - - -
10 CL 2.5YR 4/4 Sandy CLAY: reddish brown, very stiff, moist, moderate	- - - - -
2.51 K 4/4 Sandy CE/11 readish slown, very still, moist, moderate	ly plastic
	-
2.5YR 4/4 increasing sand and silt, slightly plastic	
increasing clay, moderately plastic	- - -
ML 2.5YR 4/4 SILT: reddish brown, very stiff, damp, slightly plastic, tr	ace of sand
CL 2.5YR 4/4 CLAY: reddish brown, very stiff, moist, moderately plas	tic _
ML 2.5YR 4/4 - SILT: reddish brown, very stiff, damp, slightly plastic, tr	ace of sand -
7 12 0.6 CL 2.5YR 4/4 Sandy CLAY: reddish brown, very stiff, moist, slightly p	
ML 2.5YR 4/4 SILT: reddish brown, very stiff, moist, slightly plastic, tr	- -
SM 5YR 5/4 Silty SAND: reddish brown, medium dense, damp, trace	of clay
ML 2.5YR 4/4 - SILT: reddish brown, very stiff, moist, slightly plastic, tr	ace of fine sand and clay
CL 2.5YR 4/4 CLAY: reddish brown, very stiff, moist, slightly plastic,	trace of silt
7 15 19 1.2 40- ML 2.5YR 4/4 SILT: reddish brown, hard, damp, slightly plastic, trace of	f fine sand

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DRILLI DRILLI	NG (compa Vater METHO	NY Develo D(S) 95, Holl		t em Auger		RILLER Brian FO RILL BIT (S) SIZE 8 inches		Boring Name —— Project Name —— Project Number — ELEVATION	974002	s Aircraft .00
LOGGE	DB	lot Er	counte					Not Surveyed DATE STARTED 2/27/97	d l	51.5 feet ATE COMPLETED	
pelad	SAN	MPLES	neeber	Depth (feet)	Lithology	USCS Log	Munsell Color	2/27/97 REMARKS			
Drhen Record	Collec	Penetration Restance (blows/hoc)	Head Spa Reaching (ppm)	45		ML	2.5YR 4/4	SILT (Continued): red	dish brown, hard, damp, s	slightly plasti	c, trace of fine sand
		15		50-		CL	5YR 3/4		rown, hard, moist, modera		trace of fine sand
***** ********************************		17 26 30	0.6	-		SP	5YR 5/8	SAND: yellowish red,	dense, damp, fine, trace of	of silt	
1 1 1				55				Boring terminated at 5	1.5 feet.	·	- - - -
				60-							-
1				65-				- - -			
1				70-				- - -			- -
				75-				- - -			- - - -
				80- -							

RING LO	OCATI									enks Consultants
ILLING	COMP	ANY		ith Internation	al Ligh	DRILLER		Boring Name	1A-5A	
ILLING	METH					Brian F DRILL BIT (S) SIZE	Ξ	Project Name		las Aircraft
OT HT	CME-	- 95, H o R		tem Auger		8 inches		Project Number	97400	TOTAL DEPTH
	Not E	ncount	ered					Not Surveye	ed	50 feet DATE COMPLETED
I	K. Kn	ight				1	I	3/4/97		3/4/97
Recovered Collected	Penetration Resistance (blows/foot)	Head Space Reading (ppm)	Depth (feet)	Lithology	USCS Log	Munsell Color		L DESCRIPTION AND	DRILLING	G REMARKS
		. — -					Asphalt, 3" ballast			
	3 4 6 19	0.3	-		СН	10YR 2/2	CLAY: very dark brow	n, slightly moist, firm, h	ighly plastic	С
	19 30	2.8	5		ML	2.5Y 4/4	_ SILT with Clay and Fi	ne Sand: olive brown, dr	y to slightly	y moist, very stiff
▓│			-		SM	10YR 4/3	- Silty SAND: brown, d	ry to slightly moist, med	ium dense	
	6 7 9	4.1	10- 15-		5		- increasing moisture	,	·	
	3 6 9	2.5	20-		SP	2.5Y 6/6	increasing silt, with cl		moist, medi	um dense, with shell fragments
	18		25-							
	18 23 25		30- - - - 35-				-	nodules from 28-31 feet		
	8 16 10		- 40-				-	20% fine to medium sand		

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Comparison Com	Doring Log		Remiedy/ochris Consultants
DRILLEN GRADE SHOWN THE PROPERTY OF THE PROPER	BORING LOCATION Area 1A - Border with Internation	onal Light Metals	Roring Name 1A-5A
TRAILER METHOD 6.09 TO A CONTROL DEPTH Such as The Control of the	DRILLING COMPANY	DRILLER	
CME-St, Bollow Stem Auger Sinches Project Number 9740012007	Water Development	Brian DRUL BUT (8.5%	2178
Not Reconstructive	CME-95, Hollow Stem Auger	8 inche	hes Project Number 974002.00
DOCTOR STRAFFED MAD	JEPTH TO WATER		ELEVATION TOTAL DEPTH
SOIL DESCRIPTION AND DRILLING REMARKS AND Command; light olive yellow, fine, dry to slightly moist, medium deme, with abandam their fragments decreasing shell fragments, fine Usering terminated at 50 feet.	LOGGED BY		Not Surveyed 50 feet DATE STARTED DATE COMPLETED
SP 2.5Y 6/6 SAND (Continued): light elive yellow, line, dry to slightly moint, medium dense, with abundant shell fragments decreasing shell fragments, fine Boring terminated at 50 feet. 55 66 70 75	K. Knight		
SADD (Continued): light olive yellow, line, dry to slightly moist, medium dense, with abundant shell fragments decrossing shell fragments no shell fragments, fine Boring terminated at 50 feet.	SAMPLES Land Cool of	USCS Munsell Log Color	
decreasing shell fragments		: SP 2.5Y 6/6	SAND (Continued): light olive yellow, fine, dry to slightly moist, medium dense, with abundant
55-	9 0.6	SP 2.5Y 6/6	shell fragments decreasing shell fragments
	60-		Boring terminated at 50 feet.
			•

BORING LO	OC 4T'	J og				Kennedy/Jenks C	La restriction
	Suppl	ementa	ıl Area	Northeast		Boring Name SA-NE-8	
DRILLING \	Water	r Devel	opmen	t	DRILLER Brian I	ulce Project Name <u>Douglas Airc</u>	raft
DRILLING	METH	OD (S)		tem Auger	DRILL BIT (S) SIZ 8 inche		
DEPTH TO	WATE	R ncount			Jinelle	Project Number 974002.00 ELEVATION TOTAL DEPT	
LOGGED B	Υ					DATE STARTED DATE COMP	
SA	MPLES	meebei		<u> </u>		2/27/97	2/27/97
Driven Recovered Collected	Penetration Resistance (blows/fbot)	Head Space Reading (ppm)	Depth (feet)	Lithology U	CS Munsell og Color	SOIL DESCRIPTION AND DRILLING REMARK	S
	10 15 10 2 3 4	0		CL	2.5YR 3/4	Sand and Gravel Paving Sandy CLAY: dark reddish brown, very stiff, moist, moderately plastic	-
	10	U	5-			decreasing sand	
						brick debris, very hard drilling	_
							-
	5 8 12	1.2	10-	CL	2.5YR 3/4	Sandy CLAY: dark reddish brown, very stiff, moist, moderately plastic	, fine sand, trace of silt -
			- 15-		2.5YR 4/4	reddish brown	- - -
						increasing silt fine to coarse sand, scattered organic material	- - -
	4 12 14	0.9	20-				- -
			-			- - 	·
			25 -	ML	2.5YR 3/4	SILT: dark reddish brown, very stiff, damp, moderately plastic, trace of	f clay and fine sand
	5 9 14	0.9	30- - -			• - - -	- - -
			35- - -			- - - -	- - - -
	5 9 10	1.2	- 40- -			- • -	-
			-	SM	2.5YR 3/4	Silty SAND: dark reddish brown, loose, damp, moderately plastic, trace	e of clay

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BORIN		CATIC		l Area	Northeast				Boring Name	SA-NE	C-8				
DRILL	ING	COMPA	NY Devel o			TI.	ORILLER	4-1	Project Name Douglas Aircraft						
DRILL	ING	METH	DD (S)			1	Brian F ORILL BIT (S) SIZE	3	_	974002					
EPTI	OT I	WATER	Į.		em Auger		8 inches	3	Project Number — ELEVATION		TOTAL DEPTH				
LOGG	ED B	Vot E	counte	ered				Not Surveyed			53.5 feet DATE COMPLETED				
	I	D. Sch	neeber	ger					2/27/97		2/27/97				
Driven Recovered		Penetration Resistance (blows/foot)	Head Space Reading (ppm)	Depth (feet)	Lithology	USCS Log	Munsell Color		SOIL DESCRIPTION AND DRILLING REMARKS						
						SM	2.5YR 3/4			_	moderately plastic, trace of clay				
		8 25 28		45- - - - 50-		SP	2.5YR 5/4 5YR 5/2	SAND: reddish brown	ı, fine, medium dense, dar	np, trace of s					
		28 12 17 28	0.7	1		:		fine dense, damp, trac	e of silt						
- 1		20		-					1-		-				
				55-				Boring terminated at 5	3.5 feet.		- -				
				60 -											
				65 -				- - -			-				
1 11 1 1				70-				- - -			- - -				
	+			75~				- - -			- - - - -				
-				80- -				-			_				

BORINGLO	OCATIC	N	2.4	N	-			Boring Name —	SA-N	iw-5										
DRILLING	COMPA			Northwest		DRILLER Brian F	ulca	Project Name		las Aircraft										
DRILLING	METHO	DD (S)				DRILL BIT (S) SIZE		Project Number _	97400											
DEPTH TO	WATER	į.		tem Auger		8 inches		ELEVATION		TOTAL DEPTH										
LOGGED B	3Y	ncount	ered					Not Surveyed	ed	DATE COMPLETED										
SA	K. Kn							3/3/97		3/3/97										
Driven Recovered Collected	Penetration Resistence (blows/foot)	Head Space Reading (ppm)	Depth (feet)	Lithology	USCS Log	Munsell Color	SOI	IL DESCRIPTION AND	DRILLIN	G REMARKS										
	5 7 12 5 17		5				Fill material, consistin	g of sand, gravel, concre	ete, and plas	stic fragments										
	18 6 8 9 2 8 9 6 12 18	0.9	10-	C	L	10YR 4/3	Silty CLAY: brown, m	noist, hard, moderately pl	lastic											
			-	N N	L	10YR 4/4	Sandy SILT: dark brov	wn, slightly moist, hard,	loose, sligh	ly plastic										
			15-		M	10YR 5/3	Silty SAND: yellowis	h brown, fine, dense, dry												
	11 12 18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20-	C	L	2.5Y 4/3	Silty CLAY: olive bro	wn, hard, moderately pla	stic	
	12 12 18																	-	h	ĪĹ
			25-	A.	IL	7.5YR 3/3	Clayey SILT: dark bro	own, dry, hard, slightly pl	lastic											
	9 16 25	0.9	30-				-													
	11 6 14		35-		L	10YR 4/3	Silty CLAY: brown, sl	lightly moist, very stiff, r	moderately	plastic										
			-				-													
	10 15 22	0.3	40-	s	P	10YR 6/6	SAND with Silt and n	ninor Gravel: brownish y	ellow with	orange mottling, dense										

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			лоg					<u> </u>	The supplier of the supplier o	nedy/Jenks Consultants
BORING	GLC S	CATIC Suppl	_{ON} e menta	l Area	Northwest				Boring Name —	SA-NW-5
T.LI	NG (COMPA	NY Develo	nmen	t		DRILLER Brian F	ulce	Project Name	Douglas Aircraft
.LLI	NG I	METH	OD (S)			ı	Brian F			974002.00
CME-95, Hollow Stem Auger 8 inches DEPTH TO WATER									Project Number -	TOTAL DEPTH
LOGGE	DB	Vot E	ncounte	ered				1	Not Surveyon	ed 50 feet DATE COMPLETED
	J.	K. Kn	ight					,	3/3/97	3/3/97
Driven Recovered	Collected	Penetration Resistance (blows/foot)	Head Space Reading (ppm)	Depth (feet)	Lithology	USCS Log	Munsell Color	son	L DESCRIPTION AND	DRILLING REMARKS
δ (* XXXX	8	P. C.	1.00 mg			SP	10YR 6/6	SAND with Silt and m	inor Gravel (Continued)): brownish yellow with orange motiling, dense
				1 1 1				-		,
			0.0	457		ML	10YR 5/4	Clayey SILT: yellowisl	h brown, dry, dense, ora	nge mottling, some sand, some mica
	***			50				Boring terminated at 5	0 feet.	
				55-				-		
				_				-	,	
				60-						
-		:		-				-		
-				65-				- - -		
				70-						
				75-						
				-				-		
				80-				-		